

ADEP.01USU1

AMENDMENTS TO THE SPECIFICATION

On page 8, line 19, delete "peed", and substitute therefor —speed—.

Please replace the paragraph beginning on line 29 of page 8 and ending on line 7 of page 9, with the following paragraph:

"With the knowledge of the sound speed, c , of the liquid ($c = 780$ m/s for propane) and a measurement of Δf from the spectral response, the distance between the interior of the wall on which the transmitter pair is affixed and the liquid surface is readily continuously determined from Eq. 2 3, thereby permitting a continuous fluid liquid level to be measured and monitored. For the measurement shown in Fig. 2a hereof, this yields a level of approximately 0.52 m, or a nearly ~~half~~ half-full level for the tank employed. The sound speed in propane has a well known well-known temperature dependence. Therefore, once the temperature of the fluid within a container is determined, the appropriate sound speed for determining the liquid level can be chosen."